Work done by the Industrial Chemist during 1109 and 1110.

13. *Mr. K. P. Nilakanta Pillai : With reference to the working of the Industrial Chemist, will the Government be pleased to state :

(*a*) the work or works in which he was engaged during 1109 M. E. and the results thereof ; and

(*b*) the programme of work awaiting him for 1110 M. E. ?

Mr. N. K. Padmanabha Pillai (*Director of Industries*) :

(*a*) A *statement of the work done in the Industrial Research Laboratory by the Industrial Chemist and the Chemical Assistant during 1109, is placed on the table. The nature of the work done in the Industrial Research Laboratory is such that in most cases, the Industrial Chemist and the Chemical Assistant have to attend to the same work and therefore it is not possible to separate their work and say which part was done by the Industrial Chemist and which by the Chemical Assistant. Except in those cases where such division can be easily shown, which is indicated in the appropriate places, the report of their joint work only can be given.

(*b*) The †programme of work for 1110 is placed on the table.

Work done by the Geological Assistant during 1109 and 1110.

14. *Mr. K. P. Nilakanta Pillai : With reference to the working of the Geological Assistant, will the Government be pleased to state :

(*a*) the work or works in which he was engaged during 1109 M. E. and the results thereof ; and

(*b*) the programme of work awaiting him for 1110 M. E. ?

Mr. N. K. Padmanabha Pillai : (*a*) & (*b*) The ‡information required is laid on the table.

Mr. M. N. Paramesvaran Pillai : May I know whether there is any programme of work for 1110 ?

Mr. N. K. Padmanabha Pillai : Yes, that is also laid on the table.

Work done by the Chemical Assistant during 1109 and 1110.

15. **Mr. K. P. Nilakanta Pillai :** With reference to the work of the Chemical Assistant, will the Government be pleased to state :

(*a*) the work or works in which he was engaged during 1109 M. E. and the results thereof ; and

(*b*) the programme of work awaiting him for 1110 M. E. ?

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* *Vide* Appendix IV A—page 33.
† *Vide* Appendix IV B—page 34
‡ *Vide* Appendix V A and V B—pages 35 and 36

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Appendix V—A.

Vide Answer to Question No. 14.

Statement of work of the Geological Assistant during 1109 M. E.

An investigation of the littoral sands between the Kayamkulam Bar and Alleppey was made. It is found that proceeding towards the north, Monazite is very sparingly present. The examination of the China clay deposits at Kundara was continued. Some of the properties of this clay were determined and its suitability for sizing purposes was also ascertained. Prospecting for mica near Vamanapuram (Thanniyam) was taken up. The size of the flakes obtainable from this locality free from flaws is small and therefore it is unremunerative to work such deposits yielding only inferior grades. Under orders of Government, Myladi and its neighbourhood were prospected for iron ore and a report was submitted. The reported occurrence of 'Petroleum' at Ilavnathitta was enquired into. The geological formations of the place showed that there is no chance of meeting with any workable quantity of mineral oil here. The crustal disturbances at Chempakaramanputhur were investigated, and found to be due to a landslip. Underground water survey was continued in the taluks of Tovala and Agastisvaram. It is seen that fresh water is available only in the Teri formation. Generally the rocks are weathered gneiss in various stages of disintegration. Most of the wells are of shallow depth and the water is not potable. The mining operations of the various companies engaged in the separation of heavy mineral sands were inspected and statistics of their production and export were obtained. Matters referring to mining applications, registry of puduval lands, minerals, &c., were attended to and reports thereon made. Specimens of rocks and minerals sent by private individuals and collected by the Department (Geological section) were identified.

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Appendix V B.

Programme of work for 1110 M. E.

(Geological Assistant.)

1. Prospecting for minerals.
2. Inspection of mining operations and collection of mining statistics.
3. Underground water survey in the arid tracts of the State.
4. Laboratory work.
5. Any special and important work that may come up for investigation etc.

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Appendix VI.

Vide **Answer to Question No. 17.**

Applications for grants to primary schools.

Communities.		*No. of applications received.*	*No. granted.*
Hindus	....	181	85
Christians	...	233	149
Mahomedans	...	18	13
Total	...	**432**	**247**